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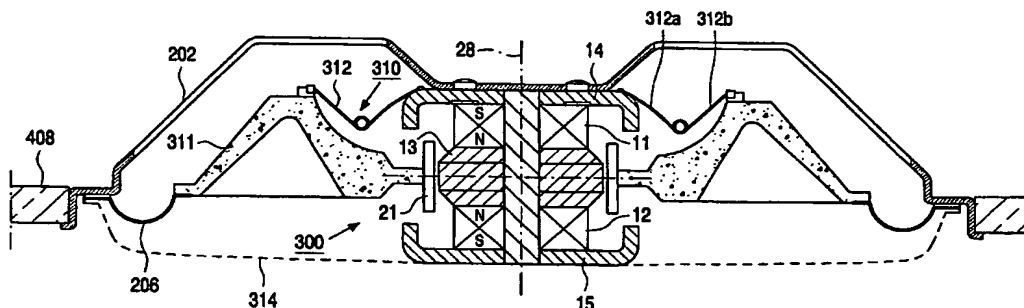
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(54) Title: **ELECTROMAGNETIC DRIVING UNIT FOR A LOUDSPEAKER ASSEMBLY**



(57) Abstract: Electromagnetic driving unit for a loudspeaker assembly provided with a frame (202) and a diaphragm (31). The driving unit comprises a magnet part and a coil part (21) for magnetic cooperation with the magnet part, the coil part being translatable along a translation axis with respect to the magnet part. The diaphragm (31) may extend from the coil part in a substantially radial direction with respect to the translation axis (23) of the coil part. The magnet part comprises two permanent magnets (11, 12) and an intermediate magnetic pole element (13) which is sandwiched between the permanent magnets when viewed along the translation axis of the coil part. In order to improve the efficiency of the driving unit, the magnet part further comprises two external magnetic pole elements (14, 15). The permanent magnets and the intermediate magnetic pole element are sandwiched between the external magnetic pole elements, all pole elements having pole faces which are magnetically directed towards the coil part.

INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) - & JP 10 023591 A (KENWOOD CORP), 23 January 1998 (1998-01-23)	1-5, 7-9, 12
Y	abstract; figures 1, 2	10, 11
A	EP 0 835 040 A (KENWOOD CORP) 8 April 1998 (1998-04-08) abstract column 10, line 58 - column 11, line 41; figures 8, 9	1, 7-9, 12

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